IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type:	Display
Manufacturer:	Samsung
Firmware Version:	N/A
Model(s):	QM85D

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
1	11/24/2014	1.6.0	3.5.2	Initial version.

Driver Notes:

- Driver has been optimized for Volume.
- Device ID is set to default of 1.
- Device ID Broadcast does not support status.

Control Commands & States:

Aspect Ratio	16:9 4:3	Zoom	Wide Zoom
Auto Image	Execute		
Device ID	0 to 99	Broadcast	
Executive Mode	On	Off	
Input[1]	PC Component DTV Display Port	DVI MagicInfo HDMI1	Input TV HDMI2
PIP Mode	On	Off	
Power Control	On	Off	
Video Wall	On	Off	
Video Wall Mode	Full	Natural	
Volume (Discrete)	0 to 100 in steps of 1		

[1] Input DVI - D (Video) and HDMI 1 (PC) are only available as status and cannot be used as command.

Status Available:

Aspect Ratio	16:9 4:3	Zoom	Wide Zoom
Connection Status	Connected	Disconnected	Status Unavailable
Executive Mode	On	Off	
Input[1]	PC Component TV HDMI 1 (PC) Display Port	DVI MagicInfo DTV HDMI2	Input DVI - D (Video) HDMI1 HDMI 2 (PC)
PIP Mode	On	Off	
Power Control	On	Off	
Video Wall	On	Off	
Video Wall Mode	Full	Natural	
Volume (Discrete)	0 to 100 in steps of 1		

[1] Input DVI - D (Video) and HDMI 1 (PC) are only available as status and cannot be used as command.

MLC60 Series Supported Commands:

Aspect Ratio	16:9 4:3	Zoom	Wide Zoom
Auto Image	Execute		
Executive Mode	On	Off	
Input	PC Component TV HDMI 1 (PC) Display Port	DVI MagicInfo DTV HDMI2	Input DVI - D (Video) HDMI1 HDMI 2 (PC)
PIP Mode	On	Off	
Power Control	On	Off	
Video Wall	On	Off	
Video Wall Mode	Full	Natural	
Volume (Discrete)	0 to 100 in steps of 1		

Note: MLC 60 Series Commands only work with Device ID set to 1.

Cable and Adapter Requirements:

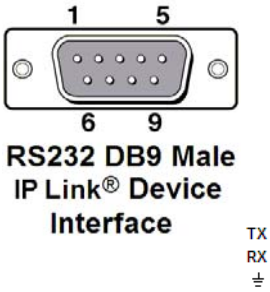
Female DB9 to 3.5 mm stereo connector RS232 serial cable.

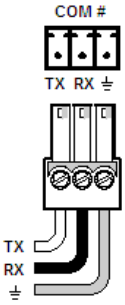
Notes for the Device:

Serial communication:

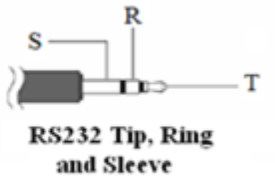
Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:





Signal	Pin	Main Cable	Pin	Signal
RXD	2	←	T	TXD
TXD	3	→	R	RXD
GND	5	—	S	GND



Note: Captive screw connector may also be used as a serial connection.

General Notes: